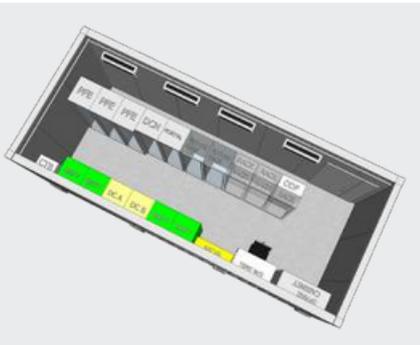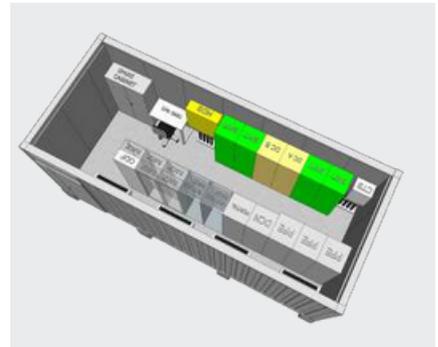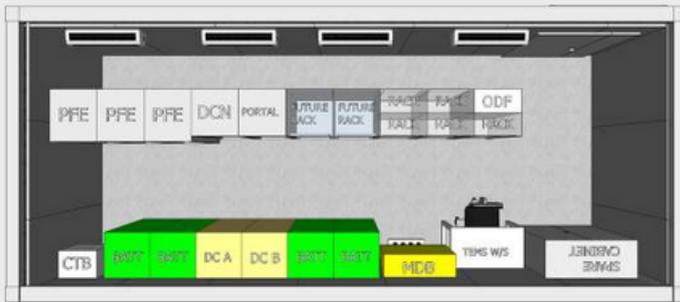# DXN CLS Modules

Our turnkey prefabricated modular Cable Landing Station (CLS) solutions are rapidly deployable and purpose built to withstand harsh environments. DXN CLS modules are designed to run as 24x7 unmanned facilities.

DXN CLS Modules provide a complete solution for cable landing stations including power systems, cooling systems, power distribution systems, cable trays, fibre trays, fire detection and suppression systems, lighting, access control systems, CCTV security systems and DCIM/BMS complete monitoring solutions

DXN

INFRASTRUCTURE AT THE EDGE

Rapid Deployment

Modular

Different

Key Highlights of DXN CLS Modules

- On time delivery - manufacturing lead time less than 14 weeks and less than 6 months from order to on-site delivery
- Minimum 3m internal height clearance to ensure 2.2m tall CLS racks can be installed with enough space clearance above for cable trays
- Built to withstand zone 4 seismic conditions and category 5 cyclones
- C5 protective pain to ensure surface protection for highly corrosive coastal environments.
- Dual Power (2N) redundancy designs to avoid any single point of failures

- Vendor agnostic designs that allow customers to choose the vendors they prefer.
- Complete in-house design and build by DXN Team.
- Modular and scalable design allows the customers to scale for multiple cables in the future
- Customizable design for repeated or unrepeated cables

Datasheet

DXN Module Type	DXN Module C1	DXN Module D1	DXN Module B1
Floor Space in Sqm	42sqm	28sqm	14sqm
External Dimensions	12.2m (L) x 3.49m (W) x 3.49m (H)	8.0m (L) x 3.49m (W) x 3.49m (H)	6.06m (L) x 2.44m (W) x 3.3m (H)

DXN INFRASTRUCTURE AT THE EDGE

Rapid Deployment
Modular
Different

Datasheet

Heading	Subheading	Description
Structural	Corrosion Standards	C5 (Standard)
	Seismic	Standard Zone 3 (options available for Zone 4 and 5)
	Flooring	Anti-static vinyl flooring (optional raised floor)
	Thermal Insulation	R-Value from 2.37 up to 5.13
	Cable Entry	Roxtec G Transit IP 66 rated gland plate for all cable and piping entry points
	Lighting	LED Lighting
	Cable Trays/Fibre Tray	Separate wire trays for power and structured cabling and optional fibre optic tray with spill-over for each rack
Fire Protection	Fire Rating	2hr (120 min) Standard, 1hr (60 min) options available
	Fire Detection	Argonite, Novec 1230, FM-200
	Smoke detectors & VESDA	Smoke detectors and early warning detection systems included as standard
Cooling	Cooling methods	DX/Chilled Water, indirect free air solutions
	Cooling Distribution	Perimeter, In-Row, wall mounted, rack mounted, top mounted
	Cooling Containment	Hot/Cold aisle containment
Power	DC System	-48V DC System
	Inverter System	1.5kVA DC to AC modular inverter up to 30kVA Optionally a standalone UPS can be provided
	Low Voltage Distribution Board	380-415V 3Phase distribution boards standard and single phase 210-240V distribution board options available
	ATS	2 way or 3 way Automatic Transfer Switch with integrated control panel
	Genset	Single or synchronized generator system with fuel tank
	Power Distribution	DC and AC Power Distribution boards with breakers
Monitoring & Management	BMS/DCIM	DXN Navigator (fully Integrated BMS/DCIM platform)
	EMS	Environment monitoring system to monitor temperature and humidity
Security System	Access System	Card/Keypad/Biometric
	CCTV	Indoor/Outdoor/PTZ/IR Cameras with up to 90 days recording capability
Doors	Entry Door	120min fire rated steel doors 1.3m width and 2.3m height (options for 1.8m door available)
	Emergency exit doors	Optional 120min fire rated steel doors 0.9m width and 2.3m height

DXN **INFRASTRUCTURE AT THE EDGE**

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